

Title (en)
BUSBAR LIGHTING DEVICE FOR LOW VOLTAGES.

Title (de)
STROMSCHIENEN-BELEUCHTUNGSVORRICHTUNG FÜR NIEDRIGE SPANNUNGEN.

Title (fr)
DISPOSITIF D'ECLAIRAGE A BARRE CONDUCTRICE POUR BASSES TENSIONS.

Publication
EP 0416042 B1 19950201 (DE)

Application
EP 89909147 A 19890824

Priority
• CH 8900152 W 19890824
• CH 348988 A 19880919

Abstract (en)
[origin: WO9003669A1] The invention concerns a lighting device with busbars which operates on low voltages in the range of approximately 6 to 24 volts. The busbars comprise an adhesive film (6), a support (2) made, for example, from elastomer, one or two steel strips (8, 14) and - at least in the case when only one steel strip (14) is provided - two strips (15) of electrically conductive material. The busbar can be manufactured in an endless strip and sold by the meter. It can be fastened on parts of buildings such as ceilings, walls, beams and the like by means of the adhesive film (6) without any other mounting accessories. The lamps used in the device are fastened to lamp stands (4, 17). One lamp stand (4, 17) comprises a base plate (20), one or more permanent magnets (24, 21) and - when only one permanent magnet (24) is provided - two contact springs (26) through which current flows from the steel strips (8) or the strips (15). The lamp stands (4, 17) adhere to the busbar by means of the magnetic force that exists between the permanent magnets (21, 24) and the steel strips (8, 14). Current is supplied to the busbar by a component of the same design as a lamp stand (4, 17).

IPC 1-7
H01R 11/30; **F21V 21/34**; **H01R 25/14**; **F21V 21/08**

IPC 8 full level
F21V 21/08 (2006.01); **F21V 21/34** (2006.01); **H01R 25/14** (2006.01); **H01R 13/62** (2006.01)

CPC (source: EP US)
F21V 21/08 (2013.01 - EP US); **F21V 21/096** (2013.01 - EP US); **F21V 21/35** (2013.01 - EP US); **H01R 25/14** (2013.01 - EP US); **H01R 25/147** (2013.01 - EP US); **H01R 13/6205** (2013.01 - EP US); **Y10S 439/936** (2013.01 - EP US)

Designated contracting state (EPC)
AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
DE 8814438 U1 19890105; AT E118121 T1 19950215; CH 680013 A5 19920529; DE 58908973 D1 19950316; EP 0416042 A1 19910313; EP 0416042 B1 19950201; US 5342204 A 19940830; US 5397238 A 19950314; WO 9003669 A1 19900405

DOCDB simple family (application)
DE 8814438 U 19881118; AT 89909147 T 19890824; CH 348988 A 19880919; CH 8900152 W 19890824; DE 58908973 T 19890824; EP 89909147 A 19890824; US 23954694 A 19940509; US 8224193 A 19930624